

3.2 Ezi GROUT COARSE

**COARSE GRADE
COLOURED CEMENTITIOUS GROUT
FOR GROUT JOINT UP TO 15mm**







MADE IN MALAYSIA

DESCRIPTION

Ezi GROUT COARSE is a coarse grade, water resistant, compressible, coloured cementitious grout (CG). Conforming to the requirement of MS ISO 13007-3, classified as type CG1.

MAIN CHARACTERISTICS

High Compressible Value			Wide tile Joint up to 15 mm
Water Resistant Properties			Variety of Modern Colour

USAGE

Suitable to use for :

- grouting or pointing joints between ceramic tiles, natural stones, and mosaic tiles.
- grouting or pointing joints up to 15 mm.
- internal and external, wall and floor, dry and wet areas including water immersion areas.

Note: - Highly recommended to mix GROUT COARSE with EziMIX GT-1 to achieve optimum performance for grouting joints between low water absorption tiles ($\leq 0.5\%$) in very demanding situations (e.g. swimming pool, shower room).



COMPOSITION AND PERFORMANCE

Ezi GROUT COARSE is a combination of binder, filler, special additives and pigments.

Ezi GROUT COARSE offers the following benefits when mixed with clean water:

- High Compressive Strength
- Good Flexural Properties
- Good Abrasion Resistance
- Good Durability
- High Shrinkage Resistance
- Aesthetic Appearance
- User Friendly
- Good Workability
- Water Resistant Properties
- Minimised Efflorescence

PRODUCT INFORMATION

Name	: Ezi GROUT COARSE
Packing	: 20 KG
Classification	: ISO 13007-3 Class CG1
Shelf Life	: 12 Months in Dry Condition
Colours	: Refer to Ezi GROUT COARSE Chart
Appearance	: Fine Powder
Dry Solid Content	: 100%
pH Value	: Alkaline
Toxicity Hazard	: No
Inflammability	: No

APPLICATION DATA (Tested at approx. 25 °C)

Mixing Ratio	: 33-38pbw. of water for 100pbw. of powder (6.6-7.6 litres of water/EziMIX GT-1 for 20KG of powder)
Consistency of Mix	: Thin Creamy Paste Form
Joint Width	: Recommended up to 15 mm wide
Workability	: Excellent (Smooth and Easy to Apply)
Pot Life	: Approx. 45 minutes
Light Foot Traffic	: Approx. 24 hours
Setting Time	: Approx. 24 - 48 hours
Application Temperature	: From +5 °C to Normal Ambient Temperature

TECHNICAL DATA (Tested at approx. 25 °C)

Tested after 28 days	Result	Requirement
- Abrasion Resistance	: 1600 ± 100 mm ³	< 2000 mm ³
- Flexural Strength	: 3.7 ± 0.10 N/mm ²	> 2.5 N/mm ²
- Compressive Strength	: 22 ± 1.00 N/mm ²	> 15 N/mm ²
- Shrinkage	: 2 ± 0.10 mm/m	< 3 mm/m
Water Absorption		
- After 30 Minutes	: 4.0 ± 0.10 g	< 5 g
- After 60 Minutes	: 9.0 ± 0.10 g	< 10 g
Resistance to Heat	: + 100 °C	
Resistance to Frost	: - 5 °C	
Resistance to Water	: Good	
Resistance to Alkalis	: Good	
Resistance to Acids	: Poor	
Resistance to Oil and Solvent	: Fair	

Tested in accordance to the requirement of MS ISO 13007-3 Type CG1

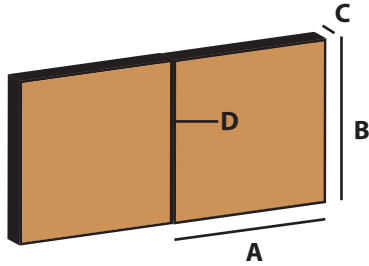
COVERAGE

Coverage Calculation Formula

$$\frac{(A+B) \times C \times D \times 1.7}{(A \times B)} = \text{_____ kg/m}^2$$

*Unit = mm

- (A) Length of Tile
- (B) Width of Tile
- (C) Thickness of Tile
- (D) Width of Joint



Consumption Table

Size of tile (mm)	Width of the joint (mm)		
	2	3	5
25 x 25 x 4.0	1.09	1.63	2.72
51 x 51 x 5.0	0.67	1.00	1.67
108 x 108 x 4.0	0.25	0.38	0.63
150 x 150 x 5.5	0.25	0.37	0.62
200 x 200 x 7.5	0.26	0.38	0.64
200 x 300 x 7.5	0.21	0.32	0.53
300 x 300 x 8.0	0.18	0.27	0.45
300 x 600 x 9.0	0.15	0.23	0.38
400 x 400 x 10.0	0.17	0.23	0.43
450 x 450 x 12.0	0.18	0.27	0.45
500 x 500 x 12.0	0.16	0.24	0.41
600 x 600 x 12.0	0.14	0.20	0.34
800 x 800 x 12.0	0.10	0.15	0.26

INSTALLATION PROCESS



Mix Ezi GROUT COARSE with clean water or latex admixture as per recommended ratio.

(1) Preparing the Joints

- Allocate appropriate tile joints during tiling installation.
- Allow adhesive bed to set for at least 24 hours before commencing grouting.
- Joints must be dry and free of contaminants (e.g. dust, grease, laitance, oil, paint, etc.).

(2) Preparing the Mix

- Mix Ezi GROUT COARSE with recommended mixing ratio until a smooth and uniform coloured paste is achieved.
- For perfect mixture, mechanical mixing is recommended.

Note: ensure pigments are completely dispersed during mixing.

(3) Spreading the Mix

- Always apply in small areas at a time.
- Spread grout into the joints with grout float or rubber squeegee, make sure the joints are completely filled and compacted.



Spread grout to the joints with grout float or rubber squeegee.



Always apply in small areas at a time.



Clean & remove excessive grout immediately with damp cloth or sponge.



The wall grouting is completed

(4) Finishing the Grout

- Clean and remove excessive grout immediately by using damp cloth or sponge before it dries out.
- When the grout is sufficiently firm, polish tile surface with clean dry cloth to remove grout haze.
- Ensure minimum grout setting time of at least 24 hours.

Noted:

- Grouting in very demanding situations such as swimming pool, bathroom, kitchen, etc. are highly recommended to mix Ezi GROUT COARSE with EziMIX GT-1 to further enhance its performance.
- Colour pigments in coloured grout may cause staining or discolouration of certain tiles or natural stone slabs; thus always conduct a trial in a small area to determine ease of cleaning and compatibility, before actual application commences.
- Some colours may not be stable or accurate when exposed to external conditions, kindly refer to Ezi Technical Advisory Department when selecting colours.
- Coloured pigmented products may cause discolouration or highlight efflorescence under external weather conditions in a certain period of time; which is a natural phenomenon.
- Applicators or users are responsible to determine suitability of grout; prior to actual application.

MATERIAL SAFETY INFORMATION

A non-toxic, cement-based product which is considered non-hazardous in normal usage. Avoid inhalation, ingestion, skin and eyes contact. For more details, please refer to Ezi Material Safety Data Sheet.

When working with this product, recommended to follow the safety precaution below.



COMPANY INFORMATION

MANUFACTURED BY: Ezi MOTARTECH SDN. BHD. (874800-D)

FACTORY ADDRESS

PENANG : 1888, Jalan Lahar Bubur, Kepala Batas, 13200, Pulau Pinang.
IPOH : PT990, 2 1/2 KM Off Jln Simpang Pulai-Lahat,
 31300 Kampung Kepayang, Perak Darul Ridzuan.

SALES OFFICE

PENANG : ☎ +604-658 8817 📠 +604-658 8818
IPOH : ☎ +605-357 5818 📠 +605-357 5818
KL : ☎ +602-6277 3709 📠 +603-6272 3760

Ezi TECHNICAL ADVISORY CENTRE

☎ +6012-431 8221 📧 technical@ezi-fix.com

For more information please log on to: www.ezi-fix.com

Note: Any advice, opinion, instruction or information is given only on the basis that the company and its employees, representative, agents or distributors, shall be under no liability for any loss or damage (including direct or indirect contingent or consequential loss or loss of profit) whatsoever in respect thereof. Although advice, opinion, instruction and information are believed to be accurate and complete no reliance should be placed upon the same as being applicable to any particular circumstances.